TABLE OF CONTENTS

SECTION A INTRODUCTION

A.1 Summary of the Main Topics of the Report
A.2 General Concepts
A.3 National Program for SF and RW Management

SECTION B POLICIES AND PRACTICES

B.1 Spent Fuel Management Policy
B.2 Spent Fuel Management Practice
B.3 Radioactive Waste Management Policy
B.4 Radioactive Waste Management Practice - Criteria
B.4.1 Criteria Applied to Define and Classify Radioactive Waste by Categories
B.4.2 Origin of Radioactive Waste
B.4.3 Practices Applied for RW Management

SECTION C SCOPE OF APPLICATION

SECTION D LISTS AND INVENTORIES

D.1 Spent Fuel Management Facilities
D.2 Spent Fuel Inventory
D.2.1 CNA I
D.2.2 CNE
D.2.3 AGE
D.3 Radioactive Waste Management Facilities
D.3.1 List of Facilities with Wastes from Mining and Processing of Uranium Minerals
D.4 Radioactive Waste Inventory
D.4.1 CNA I
D.4.2 CNE
D.4.3 Pilcaniyeu Technological Complex
D.4.4 Uranium Dioxide Production Plant
D.4.5 Ezeiza Radioactive Waste Management Area (AGE)

SECTION E LEGISLATIVE AND REGULATORY SYSTEM

E.1 Implementation of Measures
E.2 Legislative and Regulatory Framework
E.2.1 Legal Framework
E.2.1.1 Background
E.2.1.2 Current Situation
E.2.2 Regulatory Framework
E.2.2.1 National Requirements and Provisions on Radiological Safety
E.2.2.2 Licensing System
E.2.2.3 Prohibition to Operate without a License
E.2.2.4 Control System
E.2.2.4.1 Documentation and Reports
E.2.2.4.2 Regulatory Inspections and Audits
E.2.2.5 Specific Regulatory Actions

E.2.2.6 Sanction System
E.2.2.7 Clear Assignment of Responsibilities
E.3 Regulatory Body
E.3.1 Duties and Competence of the Regulatory Body
E.3.2 ARN Organizational Structure and Human Resources
E.3.3 Resources Assigned to the Regulatory Control of Facilities under Surveillance
E.3.3.1 Qualification of the ARN Staff
E.3.3.2 Maintenance of the Regulatory Body's Competence
E.3.3.3 Training Activities
E.3.3.4 Quality Management System
E.3.3.5 Financial Resources
E.3.4 Relationship with Other Organizations
E.3.5 Annual Reports

SECTION F OTHER GENERAL SAFETY PROVISIONS

F.1 Responsibility of the License Holder
F.1.1 Background
F.1.2 Responsible Institution and Primary Responsible
F.1.3 Regulatory Control of Fulfilment of License Holder's Responsibilities
F.2 Human and Financial Resources
F.3 Quality Management
F.3.1 Introduction
F.3.2 Nucleoeléctrica Argentina Sociedad Anónima (NASA)
F.3.3 Argentine Atomic Energy Commission (CNEA)
F.4 Operational Radiological Protection
F.4.1 Conditions for Radioactive Material Release
F.4.1.1 Discharges
F.4.1.2 Disposal of Solid Materials
F.4.1.3 Exemption of Practices
F.4.2 Occupational Exposure
F.4.3 Radiological and Nuclear Safety at CNEA
F.5 Emergency Preparedness
F.5.1 Introduction
F.5.2 Structure of the Emergency Plan in the National Scope
F.5.3 International Agreements
F.5.4 Nuclear Power Plants Emergency Plans
F.5.5 Atomic Centres Emergency Plans
F.6 Decommissioning
F.6.1 Introduction
F.6.2 Regulatory Aspects
F.6.3 Background
F.6.4 Planning for Decommissioning of Significant Nuclear Facilities
F.6.5 Financing

SECCION G SAFETY IN SPENT FUEL MANAGEMENT

G.1 General Safety Requirements
G.2 Existing Facilities
G.2.1 CNA I Spent Fuel Storage Pools

G.2.2 CNA II Spent Fuel Storage Pools
G.2.3 CNE Spent Fuel Storage Pools
G.2.4 Storage Silos for Spent Fuel (ASECQ) of the CNE
G.2.5 Centralized Storage of Spent Fuel from Research Reactors
G.2.6 Storage Facility for Irradiated Fuel from Research Reactors (FACIRI)
G.3 Siting of SF and Radioactive Waste Management Facilities
G.4 Design and Construction of New Facilities
G.4.1 Atucha Nuclear Power Plant - Unit I
G.4.2 CAREM-25 Nuclear Power Plant
G.4.3 RA-10 Reactor
G.5 Safety Assessment of Facilities
G.6 Operation of the Facilities
G.7 Final Disposal of Spent Fuel

SECTION H SAFETY IN RADIOACTIVE WASTE MANAGEMENT

H.1 General Safety Requirements
H.1.1 Criticality and Removal of Residual Heat Generated during Radioactive Waste Management
H.1.2 Minimization of Radioactive Waste Generation
H.1.3 Interdependence between Different Radioactive Waste Management Stages
H.1.4 Efficient Protection for Individuals, Society and Environment
H.1.5 Biological, Chemical and Other Risks Associated with Radioactive Waste Management
H.1.6 Avoid Actions with Greater Impact on Future Generations than Permitted for the Present Generation
H.1.7 Avoid Imposing Undue Burdens on Future Generations
H.2 Existing Facilities and Previous Practices
H 2.1 Introduction
H.2.2 Facilities of Atucha Nuclear Power Plant - Unit I
H.2.3 Facilities of Atucha Nuclear Power Plant - Unit II
H.2.4 Facilities of Embalse Nuclear Power Plant
H.2.5 Ezeiza Radioactive Waste Management Area (AGE)
H.2.6 Facilities at the Ezeiza Atomic Center
H.2.7 Pilcaniyeu Technological Complex (CTP)
H.2.8 Uranium Dioxide Production Plant
H.3 Site for Projected Facilities
H.4 Design and Construction of New Facilities
H.4.1 Atucha Nuclear Power Plant - Unit I
H.4.2 Embalse Nuclear Power Plant
H.4.3 Ezeiza Waste Management Area
H.4.3.1 Treatment and Conditioning Plant of Radioactive Waste (PTARR)
H.4.3.2 Characterization Lab (LabCar)
H.4.4 Research and Development Lab at CAC
H.4.5 CAREM-25 NPP
H.4.6 RA-10 Reactor
H.5 Mining Waste and Processing of Uranium Minerals
H.5.1 Uranium Mining Environmental Restoration Project (PRAMU)
H.5.2 San Rafael Mining and Milling Complex (CMFSR)
H.6 Safety Evaluation of the Facilities
H.7 Operation of the Facilities

H.8 Institutional Measures after Closure

SECTION I TRANSBOUNDARY MOVEMENTS

SECTION J DISUSED SEALED SOURCES

J.1 Introduction
J.2 Basic Requirements for Radiological Safety
J.3 Actions Aimed at Carrying out an Adequate Control of Radioactive Disused Sources
J.4 Special Actions Aimed at Maintaining an Appropriate Control of the Radioactive Sources
J.5 Security of Sealed Sources in Use or in Disuse
J.6 Penalty System
J.7 Abnormal Events and Emergencies
J.8 Readmission of Decayed Sealed Sources to the Country

SECTION K GENERAL EFFORTS TO IMPROVE SAFETY

K.1 Introduction
K.2 Regular Activities
K.3 Management Safety Improvements
K3.1 Actions Taken in the Light of the Fukushima Daiichi Accident
K.3.1.1 Loss of Safety Operations Functions Analysis
K.3.1.1.1 Loss of Offsite Power (LOOP)
K.3.1.1.2 Station Blackout (SBO)
K.3.1.1.3 Loss of Heat Sinks
K.3.1.2 Accident Management and Severe Accidents Management Program
K.3.2 R&D Activity Program
K.3.3 Public Communication Program
K.4 Commitments of Previous Revision Meetings
K.5 IAEA Review Missions
K.6 Synoptic Summary

SECTION L ANNEXES

L.1 National Laws
L.1.1 Law No. 24804/97 National Law of Nuclear Activity
L.1.2 Law No. 25018/98 National Law on Radioactive Waste Management Regime
L.2 PNGRR R&D Program
L.2.1 R&D Activities
L.2.2 Joint Activities with the International Atomic Energy Agency